

Abstract of the Disclosure:

A combustion engine assembly includes a combustion engine with  
a displacement and a downstream catalytic converter for  
5 cleaning exhaust gas. The catalytic converter has a geometric  
surface and an effectiveness for converting at least one  
harmful component in the exhaust gas into harmless components.  
The catalytic converter has at least one honeycomb body, all of  
which together have a total volume. The volume is selected in  
10 such a way that it is smaller than the displacement by a factor  
of 0.6. However, the geometric surface is dimensioned in such  
a way that the catalytic converter has an effectiveness of more  
than 98%. The honeycomb body is preferably a metallic  
15 honeycomb body formed of layered and/or wound and at least  
partly structured sheet metal layers. Channels of the  
honeycomb body are separated from one another by channel walls.  
An average thickness of the channel walls is at most 40  
micrometers, preferably at most 35 micrometers and in  
particular between 18 and 32 micrometers. The number of  
20 channels of the honeycomb body over a cross-section through the  
body is at least 600 cpsi. Small volume, particularly cost-  
effective honeycomb bodies can be provided in this way.

LAG/cp